# Mountain Weather Forecast

## Peak District National Park

Forecast valid from 00:00 on Saturday 14 Nov 2020 until 23:59 on Sunday 15 Nov 2020

Forecast Issued on Friday 13 Nov 2020 at 16:45

**Confidence:** High for a typically unsettled autumnal pattern with showers or longer periods of rain dominating. However the confidence in the timing details of the worst of the conditions gradually lowers through into next week.

**Headline for Saturday 14 Nov 2020:** Wet and windy with extensive hill fog.

**Mountain weather hazards on Saturday 14 Nov 2020**

**Blizzards**
No Likelihood

**Heavy Snow**
No Likelihood

**Storm force winds**
No Likelihood

**Gales**
Low Likelihood

**Severe chill effect**
No Likelihood

**Poor visibility**
Medium Likelihood

**Thunderstorms**
No Likelihood

**Heavy persistent rain**
No Likelihood

**Strong sunlight**
No Likelihood

| **Weather and chance of precipitation at 600m** | | | | | | | |
|---|---|---|---|---|---|---|---|
| Time | | | | | | | |
| 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| Light rain | Light rain | Light rain | Light rain | Light rain | Heavy Rain | Heavy Rain | Light rain showers (night) |
| Precipitation probability | | | | | | | |
| 40% | 40% | 30% | 60% | 60% | 70% | 80% | 30% |

**Forecast for Saturday 14 Nov 2020**

**Weather:** Cloudy overnight with showers merging to longer periods of rain at times. An unsettled day, with showers or longer periods of rain. The best chance of a drier and brighter interlude will be early morning, while the worst of the conditions are expected late afternoon and early evening with persistent rain turning heavy at times.

**Chance of cloud free mountain/hill tops above 600m:** 60% early to mid-morning, lowering to 20% from mid-morning with bases broken to extensive from 500-800m.

**Visibility:** Good to moderate, lowering to a handful of kilometres in rain and showers, less in hill fog.

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# Mountain Weather Forecast

**Forecast for Saturday 14 Nov 2020**

| Height (m) | Wind Speed mean/gusts (mph) | | | | | Wind Direction (blowing from) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 23/31 S | 22/31 S | 24/34 S | 27/38 S | 29/39 S | 31/42 S | 31/42 S | 28/38 SW | 30/42 SW |
| **300** | 17/25 S | 15/23 S | 18/27 S | 22/33 SE | 22/32 S | 23/34 S | 23/37 S | 19/30 SW | 21/34 S |
| **Valley** | 9/23 S | 9/22 S | 10/23 S | 14/32 SE | 13/31 S | 15/33 S | 15/35 S | 13/30 SW | 15/33 S |

| Height (m) | Temperature / Feels Like (°C) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 5/-0 | 5/-0 | 6/0 | 7/2 | 9/5 | 9/5 | 9/5 | 7/2 | 6/1 |
| **300** | 7/3 | 7/3 | 7/3 | 9/4 | 12/8 | 12/8 | 12/8 | 9/6 | 9/5 |
| **Valley** | 8/5 | 8/5 | 8/5 | 9/6 | 12/9 | 12/9 | 12/9 | 10/7 | 9/6 |
| **Freezing Level*** | 1400m | 1500m | 1900m | 2200m | 2300m | 2300m | 1800m | 1500m | 1500m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Gusts reaching 45-50mph later in the day across most exposed ridges and summits.

**Recent rainfall:** measured at Cat & Fiddle: altitude 511m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 15:00 on Fri 13 Nov 2020 | 5.4mm | 9.8mm | 10mm |

**Forecast for Sunday 15 Nov 2020**

**Weather:** A mainly cloudy morning with frequent showers, some heavy bringing the risk of hail and thunderstorms for a time around mid-day. Chance of drier brighter conditions for a time during the afternoon, but the generally unsettled showery theme is expected to dominate.

**Maximum wind:** South to southwest mean 25-30mph at first with gusts 45-50mph across most exposed ridges and summits. Winds gradually easing from late morning.

**Chance of cloud free mountain/hill tops above 600m:** 60% for any given time with bases broken from 500-800m, but longer periods of cloud free tops will be at a premium with bases lowering and lifting as the showers cross.

**Visibility:** Good lowering to a handful of kilometres in showers, less in hill fog.

**Temperature:** **Valleys:** Plus 5 Celsius rising 14 Celsius during the afternoon
**At 600m:** Plus 5-6 Celsius lowering plus 3-4 Celsius later
**Freezing level:** Above summits

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